

**PINPOINT TEST AD: FRONT TRUNK EMERGENCY RELEASE SWITCH INOPERATIVE****– [Introduction](#)**

Refer to Wiring Diagrams Cell [113](#) for schematic and connector information.

**Normal Operation and Fault Conditions**

The front latch can be actuated from the front trunk emergency release switch. When actuated, the hood latch release cable actuator releases and allows front trunk luggage compartment to open. REFER to: Handles, Locks, Latches and Entry Systems - System Operation and Component Description (501-14 Handles, Locks, Latches and Entry Systems, Description and Operation).

**DTC Fault Trigger Conditions**

<b>DTC</b>	<b>Description</b>	<b>Fault Trigger Condition</b>
<u>GFM</u> B1219:23	Interior Boot/Trunk Release Switch: Signal Stuck Low	Sets when the front trunk release module <u>GFM</u> receives a signal that the interior release switch is active during self-test or shorted to ground.

**Possible Causes**

- Front trunk emergency release switch
- Front trunk release module GFM
- Wiring, terminals or connectors

**AD1 CHECK THE FRONT TRUNK EMERGENCY RELEASE SWITCH FOR A SHORT TO VOLTAGE**

- Disconnect GFM [C2332A](#).
- Ignition ON.
- Measure:

[Click to display connectors](#)

<b>Positive Lead</b>	<b>Measurement / Action</b>	<b>Negative Lead</b>
<a href="#">C1847</a> Pin 1	$\overline{\overline{V}}$	Ground
<a href="#">C1847</a> Pin 2	$\overline{\overline{V}}$	Ground

**Is any voltage present?**

<b>Yes</b>	REPAIR the circuit in question.
<b>No</b>	GO to <a href="#">AD2</a>

**AD2 CHECK THE FRONT TRUNK EMERGENCY RELEASE SWITCH CIRCUITS FOR A SHORT TO GROUND**

- Ignition OFF.
- Measure:

[Click to display connectors](#)

Positive Lead	Measurement / Action	Negative Lead
<a href="#">C1847</a> Pin 1	$\Omega$	Ground
<a href="#">C1847</a> Pin 2	$\Omega$	Ground

Are the resistances greater than 10,000 ohms?

<b>Yes</b>	GO to <a href="#">AD3</a>
<b>No</b>	REPAIR the circuit in question.

**AD3 CHECK THE FRONT TRUNK EMERGENCY RELEASE SWITCH CIRCUITS FOR AN OPEN**

- Measure:

[Click to display connectors](#)

Positive Lead	Measurement / Action	Negative Lead
<a href="#">C1847</a> Pin 1	$\Omega$	<a href="#">C2332A</a> Pin 10
<a href="#">C1847</a> Pin 2	$\Omega$	<a href="#">C2332A</a> Pin 17

Are the resistances less than 3 ohms?

<b>Yes</b>	GO to <a href="#">AD4</a>
<b>No</b>	REPAIR the circuit in question.

**AD4 CHECK THE FRONT TRUNK RELEASE SWITCH**

- Ignition OFF.
- Disconnect the front trunk release switch [C1847](#).
- Measure the component side:

[Click to display connectors](#)

Positive Lead	Measurement / Action	Negative Lead
C1847, pin 1 component side	$\Omega$	C1847, pin 2 component side

**Is the resistance between 1 and 3 ohms?**

<b>Yes</b>	GO to <a href="#">AD5</a>
<b>No</b>	INSTALL a new front trunk release switch. TEST the system for normal operation. If the concern is still present, GO to <a href="#">AD5</a>

#### **AD5 CHECK FOR CORRECT GFM (GENERIC FUNCTION MODULE) OPERATION**

- Disconnect and inspect all of the GFM connectors.
- Repair:
  - corrosion (install new connectors or terminals, clean module pins)
  - damaged or bent pins - install new terminals/pins
  - pushed-out pins - install new pins as necessary
- Reconnect all the GFM connectors and make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

**Is the concern still present?**

<b>Yes</b>	CHECK <u>OASIS</u> for any applicable service articles: <u>TSB</u> , <u>GSB</u> , <u>SSM</u> , or <u>FSA</u> . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new <u>GFM</u> . REFER to: Front Trunk Release Module [GFM] (501-14 Handles, Locks, Latches and Entry Systems, Removal and Installation).
<b>No</b>	The system is operating correctly at this time. The concern may have been caused by module connections. Address the root cause of any connector or pin issues.